

# UNIVERSITY of PENNSYLVANIA

PHILADELPHIA 4

The School of Medicine

DEPARTMENT OF MICROBIOLOGY

May 13, 1957.

Dr. and Mrs. Joshua Lederberg  
Department of Genetics  
University of Wisconsin  
Madison 6, Wisconsin

Dear Joshua and Esther:

I have been reading your reprint on Cellular Mechanisms in Differentiation and Growth with the greatest interest. May I have another copy for graduate student use in the preparation for prelims?

In connection with your discussion of the closer resemblance of K-12 progeny to the F<sup>-</sup> parent, is it not now possible to be a little more explicit? I think there is pretty good cytological evidence for the existence of more than one set of linked genes (chromosome) per nucleus, at least in B. megaterium and E. coli. Is it not possible to suppose that only one chromosome passes from the Hfr to the F<sup>-</sup> conjugant? ~~4~~

I was indeed happy to learn from conversation with Dr. Erdman that your father and mother are now able to make out at home, although I am sorry to understand that your father cannot resume his professional duties.

Cordially yours,

SM:jlh

Stuart Mudd

Dear Stu - Thanks very much. My father has been making very slow improvement but getting just at the same

\* Unhappily there is just 1 linkage group of Hayes JGM 2/57. What we are arguing about is how much of the loss of markers comes before, how much after the 22.B cross - I mentioned this before to you.

Mudd, S.